

# SEQUENCE LISTING

<110> Sakowicz, Roman  
Beraud, Christophe  
Guo, Jun  
Freedman, Richard

<120> NOVEL MOTOR PROTEIN OF P. FALCIPARUM AND  
METHODS FOR ITS USE

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<170> FastSEQ for Windows Version 4.0

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<213> Plasmodium falciparum

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<213> Plasmodium falciparum

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Ile Asp Gly Val Leu Leu Arg Lys Ile Gly Val Asn Ser Gln Asn Asp						
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Asn Lys Asn Thr Ser Leu Gly Lys Ile Ala Phe Ile Asp Leu Ala Gly						
	225		230		235	240
Ser Glu Arg Gly Ala Asp Thr Val Ser Gln Asn Lys Gln Thr Gln Thr						
	245		250		255	
Asp Gly Ala Asn Ile Asn Arg Ser Leu Leu Ala Leu Lys Glu Cys Ile						
	260		265		270	
Arg Ala Met Asp Ser Asp Lys Asn His Ile Pro Phe Arg Asp Ser Glu						
	275		280		285	
Leu Thr Lys Val Leu Arg Asp Ile Phe Val Gly Lys Ser Lys Ser Ile						
	290		295		300	
Met Ile Ala Asn Ile Ser Pro Thr Ile Ser Cys Cys Glu Gln Thr Leu						
	305		310		315	320
Asn Thr Leu Arg Tyr Ser Ser Arg Val Lys Asn Phe Lys Asn Lys Ser						
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 gatacggttg ataatttcac agtatatgag aataccataa aaccattaat aatagattta 240  
 tatgagaatg gttgtgtatg ttcttgTTTT gcttatgggc aaacaggtag cgggaagact 300  
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 gcagcagggg atatatttac ctttttaa atttatgata aagataatac gaaagggata 420  
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 cattga 1086



[illegible]

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		35					40					45		Ile
Glu	Arg	His	Glu	Phe	Ile	Val	Asp	Lys	Val	Phe	Asp	Thr	Val	Asp
	50					55					60			
Asn	Phe	Thr	Val	Tyr	Glu	Asn	Thr	Ile	Lys	Pro	Leu	Ile	Ile	Asp
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Asn	Thr	Leu	Arg	Tyr	Ser	Ser	Arg	Val	Lys	Asn	Lys	Gly	Asn	Ser
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- 9 -

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987

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Ile Asp Glu Pro Arg Tyr Lys Val Asp Met Thr Lys Tyr Ile Glu Arg
          35          40          45
His Glu Phe Ile Val Asp Lys Val Phe Asp Asp Thr Val Asp Asn Phe
          50          55          60
Thr Val Tyr Glu Asn Thr Ile Lys Pro Leu Ile Ile Asp Leu Tyr Glu
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Asn Gly Cys Val Cys Ser Cys Phe Ala Tyr Gly Gln Thr Gly Ser Gly
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Lys Thr Tyr Thr Met Leu Gly Ser Gln Pro Tyr Gly Gln Ser Asp Thr
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Pro Gly Ile Phe Gln Tyr Ala Ala Gly Asp Ile Phe Thr Phe Leu Asn
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          165          170          175
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Gly Val Leu Leu Arg Lys Ile Gly Val Asn Ser Gln Asn Asp Glu Ser
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				245					250					255	
Ala	Asn	Ile	Asn	Arg	Ser	Leu	Leu	Ala	Leu	Lys	Glu	Cys	Ile	Arg	Ala
			260					265					270		
Met	Asp	Ser	Asp	Lys	Asn	His	Ile	Pro	Phe	Arg	Asp	Ser	Glu	Leu	Thr
	275					280					285				
Lys	Val	Leu	Arg	Asp	Ile	Phe	Val	Gly	Lys	Ser	Lys	Ser	Ile	Met	Ile
	290					295					300				
Ala	Asn	Ile	Ser	Pro	Thr	Ile	Ser	Cys	Cys	Glu	Gln	Thr	Leu	Asn	Thr
305					310					315					320
Leu	Arg	Tyr	Ser	Ser	Arg	Val	Lys	Asn	Phe	Lys	Asn				
				325					330						